

Amendments to the Claims

Listing of Claims:

Claims 1 - 12 (canceled).

Claim 13 (new): A transceiver assembly, comprising:

 a transmitter for sending a transmission signal;

 a receiver for receiving a reflection signal formed by a reflection of the transmission signal, said receiver having a receiving oscillator with a transient response influenced by the reflection signal.

Claim 14 (new): The assembly according to claim 13, wherein at least one of a build-up time and an average delivered power of said receiving oscillator is influenced by the reflection signal.

Claim 15 (new): The assembly according to claim 13, wherein a power of said receiving oscillator can be measured.

Claim 16 (new): The assembly according to claim 13, which further comprises means for switching said receiving oscillator on and off.

Claim 17 (new): The assembly according to claim 16, wherein said means is configured to switch said receiving oscillator periodically following a clock rate.

Claim 18 (new): The assembly according to claim 13, wherein said receiving oscillator is also a transmitting oscillator for generating the transmission signal.

Claim 19 (new): The assembly according to claim 13, which further comprises a transmitting oscillator for generating the transmission signal.

Claim 20 (new): The assembly according to claim 13, which further comprises a mixer configured to add together a first measurement sub-signal and a second measurement sub-signal.

Claim 21 (new): The assembly according to claim 13, which further comprises a mixer with two diodes connected with a same polarity, and wherein a measurement signal is formed by a sum of two measurement sub-signals.

Claim 22 (new): The assembly according to claim 13, which further comprises a mixer with two diodes connected with opposite polarity, and wherein a measurement signal is formed by a difference between two measurement sub-signals.

Claim 23 (new): A distance-measurement assembly, comprising:

- a transmitter for sending a transmission signal towards a target;
- a receiver for receiving a reflection signal formed by a reflection of the transmission signal at the target, said receiver having a receiving oscillator with a transient response influenced by the reflection signal.

Claim 24 (new): The assembly according to claim 23, wherein said transmitter is a radar transmitter.

Claim 25 (new): The assembly according to claim 23, wherein said transmitter is a pulsed radar transmitter.

Claim 26 (new): The assembly according to claim 23, which further comprises a mixer configured to add together a first measurement sub-signal and a second measurement sub-signal.

Claim 27 (new): The assembly according to claim 23, which further comprises a mixer with two diodes connected with a same polarity, and wherein a

measurement signal is formed by a sum of two measurement sub-signals.

Claim 28 (new): The assembly according to claim 23, which further comprises a mixer with two diodes connected with opposite polarity, and wherein a measurement signal is formed by a difference between two measurement sub-signals.

Claim 29 (new): In combination with a motor vehicle, the assembly according to claim 23.

Claim 30 (new): In combination with a building, the assembly according to claim 13.

Claim 31 (new): In combination with an industrial plant, the assembly according to claim 13.

Claim 32 (new): A measurement method, which comprises:
generating and transmitting a transmission signal with a transmitter;
receiving a reflection of the transmitted signal with a receiver having a receiving oscillator; and
influencing a transient response of the receiving oscillator with the reflection of the transmitted signal.

Claim 33 (new): The measurement method according to claim 32, which comprises measuring a distance to a target.